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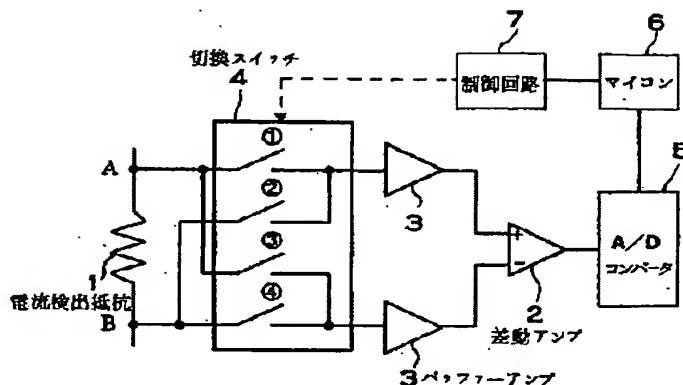
APPLICATION DATE : 28-02-01
APPLICATION NUMBER : 2001055595

APPLICANT : SANYO ELECTRIC CO LTD;

INVENTOR : GYODA MINORU;

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TITLE : CURRENT DETECTION CIRCUIT



ABSTRACT : PROBLEM TO BE SOLVED: To reduce a current detection error caused by offset voltage of an amplifier by canceling the offset voltage of the amplifier, in a simple circuit to detect current accurately.

SOLUTION: A current detection circuit detects a voltage of both the ends of a current detection resistor 1 for detecting the current flowing in the current detection resistor 1. the current detection circuit is provided with a differential amplifier 2, connecting positive and negative input terminals on both the ends of the current detection resistor, 1 and a changeover switch 4 for changing over the input terminal of the differential amplifier 2 to both the ends of the current detection resistor 1. The current detection circuit is changed over, so as to connect the input terminal in reverse to both the ends of the current detection resistor 1 by the changeover switch 4, and the offset voltage is canceled from two voltage values output from the differential amplifier 2 to detect the current flowing in the current detection resistor 1.

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